

475 17<sup>rs</sup> Street Suite 1500 Denver Colorado 80202 Telephone 303 573-1222 Fax 303 573 0461

June 8, 2006

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 P. O. Box 145801 Salt Lake City, Utah 84114-5801

Attn.: Ms. Diana Whitney

RE: Enduring Resources, LLC

Sand Wash 12-22-44-32

SE-SE 32-12S-22E

State Lease: ML-47089 Uintah County, Utah

Dear Ms. Whitney:

Enclosed are two original applications to drill concerning the above-referenced proposed well. This information was also submitted to SITLA.

Enduring Resources, LLC is requesting the Utah Division of Oil, Gas and Mining to hold this application and all future information as confidential.

If any questions arise or additional information is required, please contact me at 303-350-5114.

Very truly yours,

**ENDURING RESOURCES, LLC** 

Alvin R. (Al) Arlian

Landman-Regulatory Specialist

ara
Enclosures:

RECEIVED
JUN 1 2 2006

cc: SITLA w/ attachments

DIV. OF OIL, GAS & MINING

#### FORM 3

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

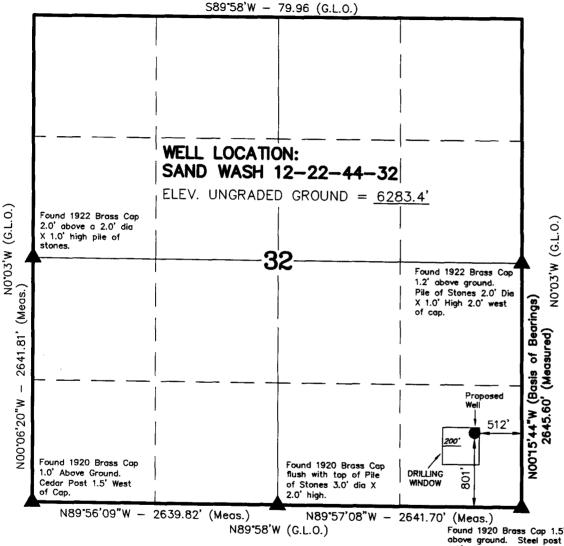
AMENDED REPORT	
(highlight changes)	

\DIV. OF OIL, GAS & MINING

		APPLICA1	TION FOR	R PERMIT TO	O DRILL		5. MINERAL LEASE NO: ML-47089	6. SURFACE: State
1A. TYPE OF W	DRK: [	ORILL 🔽	REENTER [	DEEPEN			7. IF INDIAN, ALLOTTEE OR	
B. TYPE OF WE	ELL: OIL	GAS 🗾	OTHER	SIN	IGLE ZONE MULTIPLE ZON	IE 🔽	8. UNIT or CA AGREEMENT	NAME:
2. NAME OF OP	ERATOR:		<del></del>				9. WELL NAME and NUMBER	₹:
	Resources,	LLC					Sand Wash 12-2	2-44-32
3. ADDRESS OF 475 17th S	t., Ste 1500		or s	TATE CO ZIP 80	PHONE NUMBER: (303) 350-5114		10. FIELD AND POOL, OR W	Mideal
	WELL (FOOTAG	ES)	231091	× 39	7.725115 109,470436		<ol> <li>QTR/QTR, SECTION, TO MERIDIAN:</li> </ol>	
AT SURFACE:	801' FSL -	- 512' FEL	43981	574	100110	1	SESE 32 12	S 22E
AT PROPOSED	PRODUCING ZO	ONE:	Same	- 1	109.470436			
14. DISTANCE IN	MILES AND DIRE	ECTION FROM NEAF	REST TOWN OR F	POST OFFICE:			12. COUNTY:	13. STATE:
63.8 Sou	th of Verna	I, UT					Uintah	UTAH
15. DISTANCE TO	O NEAREST PRO	PERTY OR LEASE L	NE (FEET)	16. NUMBER O	F ACRES IN LEASE:	17. NI	JMBER OF ACRES ASSIGNED	TO THIS WELL:
512'				•	640			40 acres
	O NEAREST WELL	L (DRILLING, COMPL	ETED, OR	19. PROPOSED	DEPTH:	20. BC	OND DESCRIPTION:	
1000' +	ty on Thio ELAO!	- (,,			6,800	RL	.B0008031	
21. ELEVATIONS	(SHOW WHETHE	R DF, RT, GR, ETC.	):	22. APPROXIM	ATE DATE WORK WILL START:	23. ES	STIMATED DURATION:	
6296'	RT-KB			8/1/2006	3	20	days	
24.			PROPO	SED CASING A	ND CEMENTING PROGRAM			
SIZE OF HOLE	CASING SIZE,	GRADE, AND WEIG	HT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUA	ANTITY,	YIELD, AND SLURRY WEIGHT	·
20"	14"	line pipe		40	3 yards	Read	y Mix	
11"	8-5/8"	J-55	24#	2,000	Premium Lead	18	3 sxs 3.50	) 11.
					Premium Tail	18	3 sxs 1.15	15.8
7-7/8"	4-1/2"	N-80	11.6#	6,800	Class G	5	8 sxs 3.3	11.0
	·				50/50 Poz Class G	81	0 sxs 1.56	14.3
				<u> </u>				
25.				ATTA	CHMENTS			
	OWING ARE AT	ACHED IN ACCORD	ANCE WITH THE		DNSERVATION GENERAL RULES:		<del> </del>	·
<b>□</b> 71					I			
WELL PLA	AT OR MAP PREP	ARED BY LICENSED	SURVEYOR OR	ENGINEER	COMPLETE DRILLING PLAN			
✓ EVIDENCI	E OF DIVISION OF	WATER RIGHTS AI	PPROVAL FOR US	SE OF WATER	FORM 5, IF OPERATOR IS PE	RSON OI	R COMPANY OTHER THAN TH	IE LEASE OWNER
	Aliaha I	) (A)\ A.:I!					0 - 1 - 1 - 1	
NAME (PLEASE P	RINT) AIVIN F	R. (Al) Arlian			TITLE Landman - Re	guiato	ory Specialist	
SIGNATURE		2 PC, <			DATE 6/8/2006			
This space for State	e use only)				Approved by the		RECEIV	/FD
				न्यं क्षात्री : - व्यक्तात्री : -	Utah Division of			
API NUMBER ASS	IGNED: 43	3.047-38	286	enter () Principal Princip	To the sad Make		JUN 1 2 2	006

(11/2001)

# T12S, R22E, S.L.B.&M.



▲ = SECTION CORNERS LOCATED BASIS OF ELEVATION IS BENCH MARK 70 EAM 1965 LOCATED IN THE SW 1/4 OF SECTION 31, T12S. R22E, S.L.B.&M. THE ELEVATION OF THIS BENCH MARK IS SHOWN ON THE BATES KNOLLS 7.5 MIN. QUADRANGLE AS BEING 6356'

0.5' south and cedar post 2.0' east of cap SAND WASH 12-22-44-32

(Proposed Well Head) NAD 83 Autonomous

LATITUDE =  $39^{\circ} 43' 30.46"$ LONGITUDE = 109° 28' 16.34"

#### ENDURING RESOURCES

WELL LOCATION. SAND WASH 12-22-44-32. LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 32. T12S, R22E. S.L.B.&M. UINTAH COUNTY. UTAH.



#### NOTES:

- 1. Well footages are measured at right angles to the Section Lines.
- 2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELLEFA

REGISTRATION

# TIMBERLINE LAND SURVEYING, INC.

38 WEST 100 NORTH, - VERNAL, UTAH 84078 (435) 780\_1365

	33) 703-1303	
DATE SURVEYED: 05-15-06	SURVEYED BY: K.R.K.	SHE
DATE DRAWN: 05-19-06	DRAWN BY: M.W.W.	2
SCALE: 1" = 1000'	Date Last Revised:	OF 1

0

#### Enduring Resources, LLC East Bench 11-22-31-32 NW-NE 32-11S-22E Uintah County, Utah

State Lease: ML-47076

#### **ONSHORE ORDER 1 - DRILLING PLAN**

#### 1. Estimated Tops of Geological Markers:

Formation	Depth (K.B.)
Uinta	Surface
Green River	100
Wasatch	2763
Mesaverde	4646

#### 2. Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals:

Substance	Formation	Depth (K.B.)
	KB-Uinta Elevation: 6296'	
Oil / Gas	Green River	100
Oil /Gas	Wasatch	2763
Oil /Gas	Mesaverde	4646
	Estimated TD	6800

A 11" hole will be drilled to approximately 2000 feet. The depth will be determined by the depth that the Birds Nest zone is encountered. The hole will be drilled 400 feet beyond the top of the Birds Nest zone and surface casing will be set.

# 3. Pressure Control Equipment: (3000 psi schematic attached)

- A. Type: Eleven (11) inch double gate hydraulic BOP with eleven (11) inch annular preventer on 3,000 psi casinghead, with 3,000 psi choke manifold equipped per the attached diagram. BOPE as specified in *Onshore Oil & Gas Order Number 2*. A PVT, stroke counter and flow sensor will be installed to check for flow and monitor pit volume.
- B. Pressure Rating: 3,000 psi BOPE
- C. Kelly will be equipped with upper and lower Kelly valves.
- D. Testing Procedure: Annular Preventer

At a minimum, the annular preventer will be pressure tested to 50% of the stack rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.



At a minimum, the above pressure test will be performed:

- 1. When the annular preventer is initially installed;
- 2. Whenever any seal subject to test pressure is broken;
- 3. Following related repairs; and
- 4. At thirty (30) day intervals.

In addition to the above, the annular preventer will be functionally operated at least weekly.

#### **Blow-Out Preventer**

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

- 1. When the BOP is initially installed;
- 2. Whenever any seal subject to test pressure is broken;
- 3. Following related repairs; and
- 4. At thirty (30) day intervals.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

#### E. Miscellaneous Information:

The blowout preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*.

# 4. Proposed Casing & Cementing Program:

# A. Casing Program: All New

Hole Size	Casing Size	Wt./Ft.	Grade	Joint	Depth Set (MD)
20"	14" O.D.				40' (GL)
11"	8-5/8"	24#	J-55	ST&C	0 – 2,016' (KB) est.
7-7/8"	4-1/2"	11.6#	N-80	LT&C	0 – 6800' (KB)

The surface casing will have guide shoe, 1 joint, insert float collar. Centralize the shoe joint with bowspring centralizers in the middle and top of the joint and the next16 joints with bowspring centralizers on every other collar (8 centralizers total). Thread lock guide shoe.



Casing string(s) will be pressure tested to 0.22 psi/foot of casing string length or 1500 psi, whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe.

# B. Casing Design Parameters:

Depth (MD)	Casing	Collapse(psi)/SF	Burst (psi)/SF	Tension(mlbs)/SF
40' (GL) 2016' (KB) 6800' (KB)	14" OD 8-5/8", 24#/ft, J55, STC 4-1/2", 11.6#/ft, N-80, LTC	1370/1.52(a) 6350/1.80 (d)	2950/3.28(b) 7780/2.39 (e)	244/5.81(c) 223/3.29(f)

- (a.) based on full evacuation of pipe with 8.6 ppg fluid on annulus
- (b.) based on 8.6 ppg gradient with no fluid on annulus
- (c.) based on casing string weight in 8.6 ppg mud
- (d.) based on full evacuation of pipe with 10.0 ppg fluid on annulus
- (e.) based on 9.2 ppg gradient, gas to surface, with no fluid on annulus, no gas gradient
- (f.) based on casing string weight in 9.2 ppg mud

#### PROPOSED CEMENTING PROGRAM

# Surface Casing (if well will circulate)-Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft³/sx)
8-5/8"	Lead	1516	Premium cement + 16% gel + 0.25 pps celloflake	138	25%	11.1	3.50
8-5/8"	Tail	500	Premium cement + 2% CaC <sub>2</sub> + 0.25 pps celloflake	138	25%	15.8	1.15

A cement top job is required if cement fallback is greater than 10' below ground level. Top job (weight 15.8 ppg, yield 1.15  $\rm ft^3/sx$ ) cement will be premium cement w/ 3% CaCl<sub>2</sub>.+0.25 pps celloflake. Volume as required

# Surface Casing (if well will not circulate) - Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	sxs	EXCESS (%)	WEIGHT (ppg)	YIELD (ft³/sx)
8-5/8"	Lead	500	Premium cement + 2% CaCl <sub>2</sub> + 0.25 pps celloflake	138	25	15.8	1.15
8-5/8"	Top job	As req.	Premium cement + 3% CaCl <sub>2</sub> + 0.25 pps celloflake	As Req.		15.8	1.15

# Production Casing and Liner - Cemented TD to 300' above base of surface casing

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft <sup>3</sup> /sx)
4-1/2"	Lead	647	Class "G" + 5% NaCl + 12% Gel + 0.25 pps celloflake + 0.2% antifoam + 0.25% fluid loss + 1% extender	58	25	11.0	3.3
4-1/2"	Tail	4437	50/50 POZ Class G + 2% gel +1% CaCl <sub>2</sub> + 0.2% dispersant + 0.2% fluid loss + 0.1% antifoam	810	25	14.3	1.56

Cement volumes for the 4-1/2" Production Casing will be calculated to provide a top of cement to 300' above base of surface casing. Cement volumes are approximate and were calculated under the assumption that a gauge hole will be achieved. Actual cement volumes may vary due to variations in the actual hole size and will be determined by running a caliper log on the drilled hole. Actual cement types may vary due to hole conditions and cement contractor used.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

# 5. <u>Drilling Fluids (mud) Program:</u>

Interval	Mud Weight	Fluid Loss	Viscosity	Mud Type
(MD)				A. /
0' - 2016' (KB)		No cntrl		Air/mist
2000'-3000' (KB)	8.4-8.6	No cntrl	28-36	Water
3000'-6800' (KB)	8.8-9.8	8 - 10 ml	32-42	Water/Gel

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations.

# 6. <u>Evaluation Program:</u>

Tests: No tests are currently planned.

Coring: No cores are currently planned.

<u>Samples:</u> No sampling is currently planned.



#### Logging

- Dual Induction SFL /Gamma Ray/Caliper/SP/TDLT/CNL/ML TD to Base Surface Casing
- Cement Bond Log / Gamma Ray:
   TD to Base of Surface Casing or Top of Cement if below Base of Surface Casing

Stimulation: A stimulation or frac treatment will be designed for completion of this well based on openhole log analysis. The drill site, as approved, will be sufficient size to accommodate all completion activities.

#### 7. Abnormal Conditions:

No abnormal temperatures or pressures are anticipated. No  $H_2S$  has been encountered or known to exist from previous wells drilled to similar depths in the general area.

Maximum anticipated bottom hole pressure equals approximately 3,536 psi (calculated at 0.52psi/foot of hole) and maximum anticipated surface pressure equals approximately 2,040 psi (anticipated bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot of hole).

#### 8. Anticipated Starting Dates:

- Anticipated Commencement Date Within one year of APD issue.
- Drilling Days Approximately 10 days
- Completion Days Approximately 10 days
- Anticipate location construction within 30 days of permit issue.

#### 9. <u>Variances:</u>

None anticipated

#### 10. Other:

A Cultural Resource Inventory and Paleontology reconnaissance shall be conducted for the well location, access route and pipeline. The reports shall be submitted to the Division of Oil, Gas and Mining and the School and Institutional Trust lands Administration upon their receipt.

Single Shot directional surveys will be dropped every 2000 feet to monitor hole angle.

# ENDURING RESOURCES Sand Wash 12-22-44-32 Section 32, T12S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14 MILES TO THE JUNCTION OF STATE HIGHWAY 88. EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 88 APPROXIMATELY 17 MILES TO OURAY, UTAH. FROM OURAY, PROCEED IN A SOUTHERLY DIRECTION ALONG THE SEEP RIDGE ROAD (COUNTY B ROAD 2810) APPROXIMATELY 29.4 MILES TO ITS INTERSECTION WITH THE BUCK CANYON ROAD (COUNTY B ROAD 5460). CONTINUE IN A SOUTHEASTERLY DIRECTION ALONG THE SEEP RIDGE ROAD APPROXIMATELY 2.5 TO ITS INTERSECTION WITH THE EAST SAND WASH ROAD (A CLASS D COUNTY ROAD). EXIT LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION ALONG THE COUNTY D ROAD APPROXIMATELY 0.9 MILES TO THE PROPOSED ACCESS ROAD FOR THE 12-22-23-32 WELL PAD. FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 240 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 63.8 MILES IN A SOUTHEASTERLY DIRECTION.

# **Enduring Resources, LLC**

Sand Wash 12-22-44-32 SE-Se 32-12S-22E Uintah County, Utah

State Lease: ML-47089

# **MULTI-POINT SURFACE USE & OPERATIONS PLAN**

#### 1. Existing Roads:

Directions to the Sand Wash 12-22-44-32 Well Pad

Proceed in a westerly direction from Vernal, Utah along U.S. Highway 40 approximately 14 miles to the junction of State Highway 88. Exit left and proceed in a southerly direction along State Highway 88 approximately 17 miles to Ouray, Utah. From Ouray, proceed in a southerly direction along the Seep Ridge Road (County B Road 2810) approximately 29.4 miles to its intersection with Buck Canyon Road (County B Road 5460). Continue in a southeasterly direction along the Seep Ridge Road approximately 2.5 to its intersection with the East Sand Wash Road (A Class D County Road). Exit left an proceed in a northeasterly direction along the County D Road. Approximately 0.9 miles to the proposed access road for the 12-22-23-32 Well Pad. Follow road flags in a northwesterly direction approximately 0.2 miles to the proposed access road. Follow road flags in a westerly direction approximately 240 feet to the proposed location.

# 2. Planned Access Roads:

The proposed access road will be approximately 240 feet of new construction all onlease. All off-lease access is on an existing county road (East Sand Wash Road).

# ALL NEW CONSTRUCTION IS ON SITLA LANDS.

The proposed access road will be utilized to transport personnel, equipment and supplies to and from the proposed well site during drilling, completion and production operations. The road will be utilized year round.

The access road will be crowned 2% to 3%, ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet right-of-way. Maximum grade of road is 5% or less. Graveling or capping the roadbed will be performed as necessary to provided a well constructed, safe road. No fence crossings, culverts, turnouts, cattle guards or major cuts and fills are required. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.



The road surface and shoulders will be kept in a safe usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches and the turnouts kept clear so that snowmelt will be channeled away from the road.

# 3. <u>Location of Existing Wells within a One-Mile radius (See "Topo" Map "C" attached):</u>

The following wells are wells located within a one (1) mile or greater radius of the proposed location.

a. None: Water Wells:

b. None: Injection Wells:

c. None: Producing Wells:

d. None: Drilling Wells:

e. None: Shut-in Wells:

f. None: Temporarily Abandoned Wells:

g. None: Disposal Wells:

h. None: Abandoned Wells:

i. None: Dry Holes:

j. None: Observation Wells:

k. (1): Pending (staked) Wells:

i. Enduring has one other well staked in this section.

# 4. <u>Location of Existing and/or Proposed Facilities:</u>

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank and be independent of the back cut.

All permanent (on site for six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Inter-Agency Committee



All facilities will be painted within 6 months of installation. The color shall be designated by DOG&M and SITLA. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Gas Gathering Pipeline for this well will be:

240'	Surface Pipeline	On-Lease	SITLA
-0-	Surface Pipeline	Off-Lease	n/a

If this well is capable of economic production, a 4" (or less) steel surface gas gathering line and related equipment shall be installed. The surface gas gathering line shall be in use year round. A total of approximately less than 240 feet of surface gas gathering pipeline shall be laid on the surface to minimize surface disturbance:

The proposed pipeline will begin at the well site; and be laid on the surface next to the new access road to tie-in to a steel surface pipeline that is located next to the county road.

The meter run will be housed. The gas gathering line will be buried or anchored down from the wellhead to the meter.

Upon plugging and abandonment, the gas gathering line will be removed and the disturbed area will be re-contoured and restored as near as practical to the original condition. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

#### **Location and Type of Water Supply:** 5.

Whenever practical, water will be obtained from Enduring Resources LLC Water Right Number 49-2215 or Water Right Number 49-2216 (\*See Townships of permitted Use below). If those sources are not available, a new water source shall be submitted prior to commencing operations. (These permits have one-year terms and then must be renewed)

\*Enduring Water Permits' Townships of Use:

T10S-R22E	T11S-R22E	T12S-R22E
T10S-R23E	T11S-R23E	T12S-R23E
T10S-R24E	T11S-R24E	T12S-R24E

Water will be hauled to the location over the roads marked on "Topo" Maps "A" and "B."

No water well is to be drilled on this lease.

#### 6 Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized for location and access road construction.

Any gravel will be obtained from a commercial source; however, gravel sized rock debris associated with location and access road construction may be used as access road surfacing material.

#### 7. <u>Methods of Handling Waste Materials:</u>

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exits or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, brake or allow discharge of liquids.

The reserve pit will be lined with  $\frac{1}{4}$  felt and a minimum of 16 mm plastic with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the will be disposed of in the pit.

A chemical portable toilet will be furnished with the drilling rig. The toilet will be replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

Garbage, trash and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash well is burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well.



Produced oil will be stored in an oil tank and then hauled by truck to a crude purchaser facility. Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to an approved disposal site.

#### 8. Ancillary Facilities:

During drilling operations, approximately 20 days, the site will be a manned camp. Three or four additional trailers will be on location to serve as the crews' housing and eating facilities. These will be located on the perimeter of the pad site within the topsoil stockpiles. Refer to Sheet 4.

#### 9. Well Site Layout: (Refer to Sheets #2, #3, and #4)

The attached Location Layout Diagrams described drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpiles(s).

Please see the attached diagram for rig orientation and access roads.

The top soil will be windrowed rather than piled. It will be reseeded and track walker at the time the location is constructed. Seeding will be with the determined during the onsite. (Refer to "Seed Mixture for Windrowed Top Soil Will included:" following herein.

The top soil removed from the pit area will be store separately and will not be reseeded until the pit is reclaimed.

All pits shall be fence to the following minimum standards:

- a. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- b. The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches over the new wire. Total height of the fence shall be at least 42 inches.
- c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- d. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two fence posts shall be no greater than 16 feet.
- e. All wire shall be stretched by, using a stretching device, before it is attached to corner posts.
- f. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.
- g. Location size may change prior to drilling the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling, the location will be re-surveyed and a Form 9 will be submitted.



#### 10. Plans for Surface Reclamation:

#### **Producing Location:**

- a. Immediately upon well completion the location and surrounding area will be cleared of all unused tubing, equipment, materials, trash and debris not required for production.
- b. Immediately upon well completion any hydrocarbons in the pit shall be removed in accordance with 40CFR 3162.7.
- c. Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.
- d. The reserve pit **and** that portion of the location not needed for production facilities/operations will be re-contoured to the approximated natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.
- e. To prevent surface water(s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface 3 feet above surrounding round surface to allow the reclaimed pit area to drain effectively.
- f. Upon completion of back filling, leveling and re-contouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

#### **Dry Hole/Abandoned Location:**

- i. Abandoned well sites, roads and other disturbed areas will be restored as nearly as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions and re-establishment of vegetation as specified.
- ii. All disturbed surfaces will be re-contoured to the approximated natural contours with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

# Seed Mixture for Windrowed Top Soil Will Included:

To be provided by the DOG&M and/or SITLA.

# 11. <u>Surface Ownership: Location, Access and Pipeline Route</u>:

Wellsite: SITLA

Access: SITLA

Pipeline: SITLA

#### 12. Other Information

#### On-site Inspection for Location, Access and Pipeline Route:

The on-site will be scheduled by SITLA and DOG&M.

#### **Special Conditions of Approval:**

- Tanks and Production Equipment shall be painted Dark Olive Black.
- Surface Gathering Pipeline shall be 4" or less

#### **Archeology:**

a. A Cultural Resource Inventory Report is pending and to be prepared by Montgomery Archaeological Consultants.

#### Paleontology:

a. A Paleontology Reconnaissance Report is pending and to be prepared by Intermountain Paleo-Consulting.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites will be suspended and the discovery reported promptly to the surface management agency.

#### 13, Lessee's or Operator's Representatives:

#### Representatives:

Alvin R. (Al) Arlian
Landman – Regulatory Specialist
Enduring Resources, LLC
475 17<sup>th</sup> Street, Suite 1500
Denver, Colorado 80202
Office Tel: 303-350-5114
Fax Tel: 303-573-0461

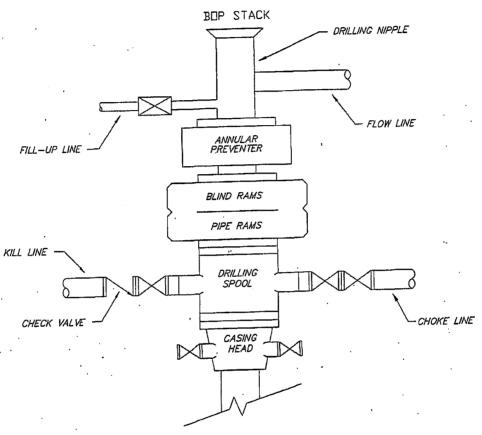
aarlian@enduringresources.com

Teme Singleton
Drilling Engineer
Enduring Resources, LLC
475 17<sup>th</sup> Street, Suite 1500
Denver, Colorado 80202
Office Tel: 303-573-5711
Fax Tel: 303-573-0461

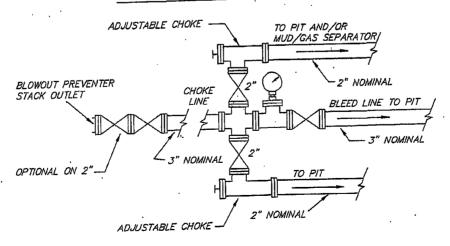
tsingleton@enduringresources.com

# ENDURING RESOURCES, LLC

TYPICAL 3,000 p.s.i.
BLOWOUT PREVENTER SCHEMATIC



TYPICAL 3,000 prs.i. CHOKE MANIFOLD SCHEMATIC



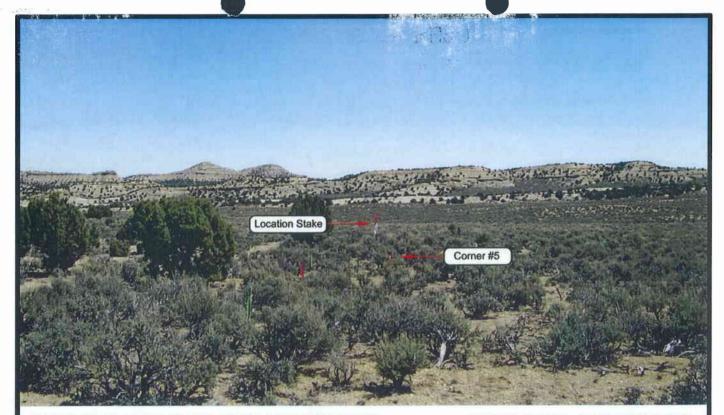


PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

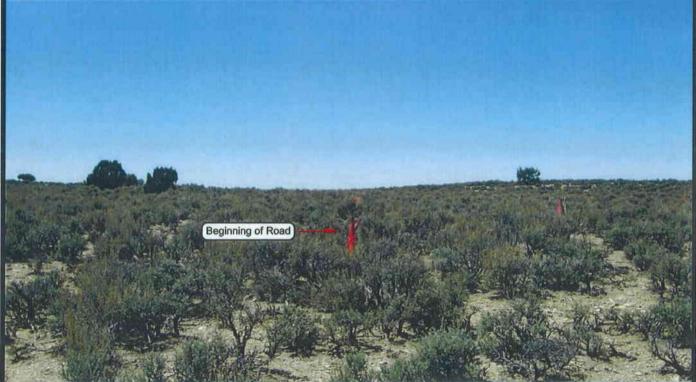


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: WESTERLY

#### **ENDURING RESOURCES**

Sand Wash 12-22-44-32 SECTION 32, T12S, R22E, S.L.B.&M.

#### LOCATION PHOTOS

DATE TAKEN: 05-15-06 DATE DRAWN: 05-30-06 REVISED:

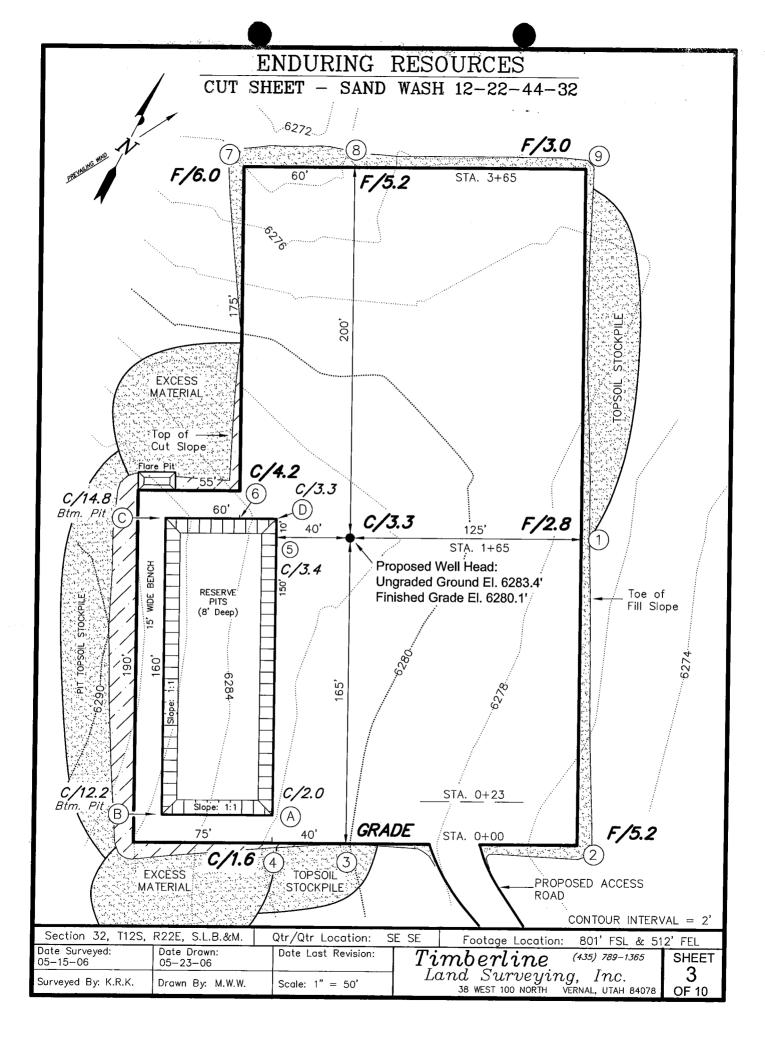
TAKEN BY: K.R.K.

DRAWN BY: BJ.Z.

SHEET

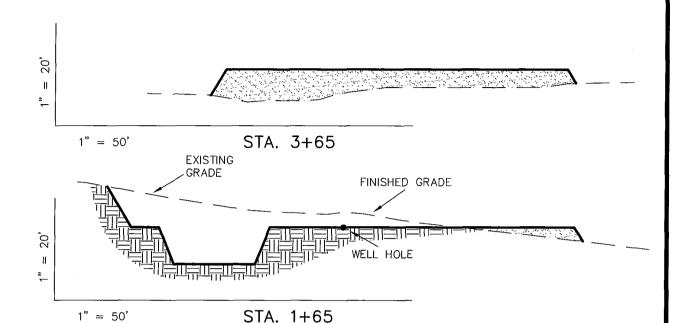
Timberline Land Surveying, Inc.
38 West 100 North Vernal, Utah 84078
(435) 789-1365

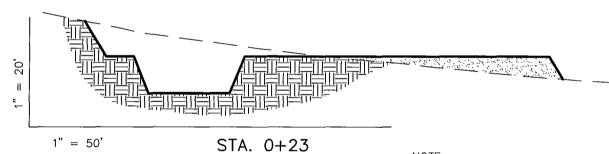
1 OF 10



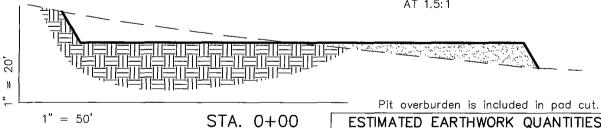
# ENDURING RESOURCES

### CROSS SECTIONS - SAND WASH 12-22-44-32





NOTE: UNLESS OTHERWISE NOTED ALL CUT/FILL SLOPES ARE AT 1.5:1



#### REFERENCE POINTS

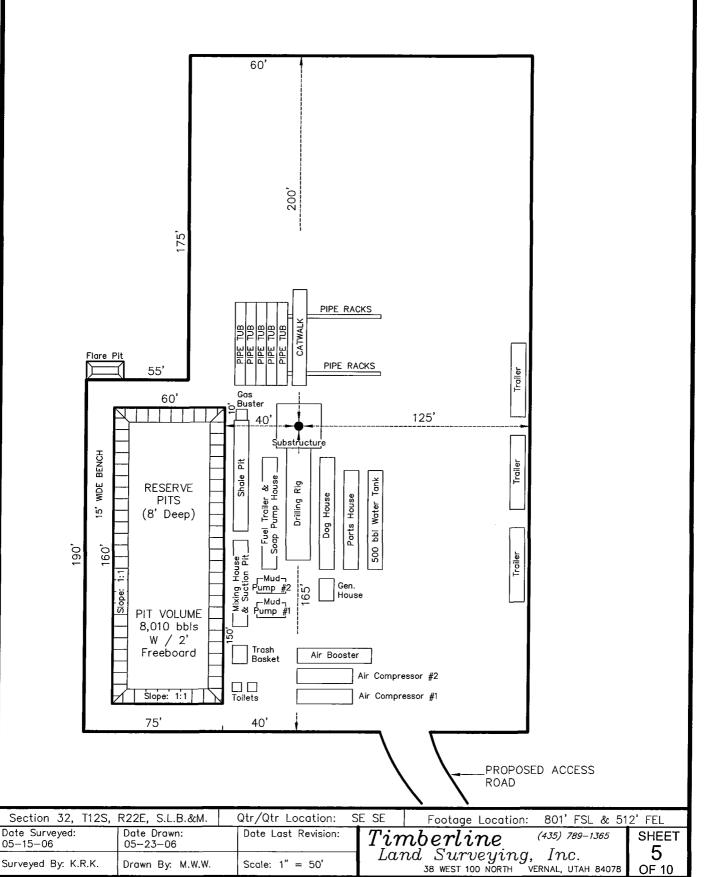
175' NORTHEASTERLY = 6274.8' 225' NORTHEASTERLY = 6272.4' 250' NORTHWESTERLY = 6273.5' 300' NORTHWESTERLY = 6270.5' ESTIMATED EARTHWORK QUANTITIES
(No shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

	(Expressed in Cubic Tards)				
	ITEM	CUT	FILL	6" TOPSOIL	EXCESS
	PAD	3,420	4,590	Topsoil is not included	-1,170
	TIP	2,340	0	in Pad Cut	2,340
	TOTALS 5,760 4,590 1,440 1,170				
Ì	Excess Material after Pit Rehabilitation = 0 Cu. Yds.				

Section 32, T12S,	R22E, S.L.B.&M.	Qtr/Qtr Location: S	SE SE	Footage Location: 801' FSL & 51	2' FEL
Date Surveyed: 05-15-06	Date Drawn: 05-23-06	Date Last Revision:		nberline. (435) 789–1365	SHEET
Surveyed By: K.R.K.	Drawn By: M.W.W.	Scale: 1" = 50'	Lan	nd $Surveying,\ Inc.$ 38 West 100 North Vernal, Utah 84078	0F 10

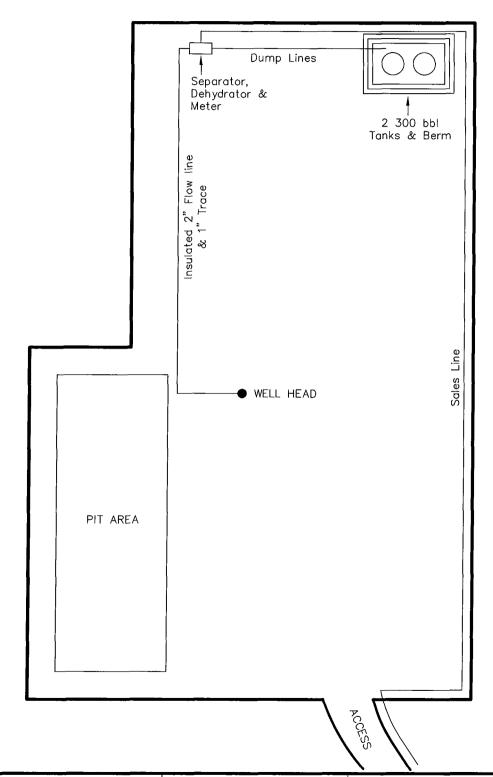
# ENDURING RESOURCES

TYPICAL RIG LAYOUT - SAND WASH 12722-44-32

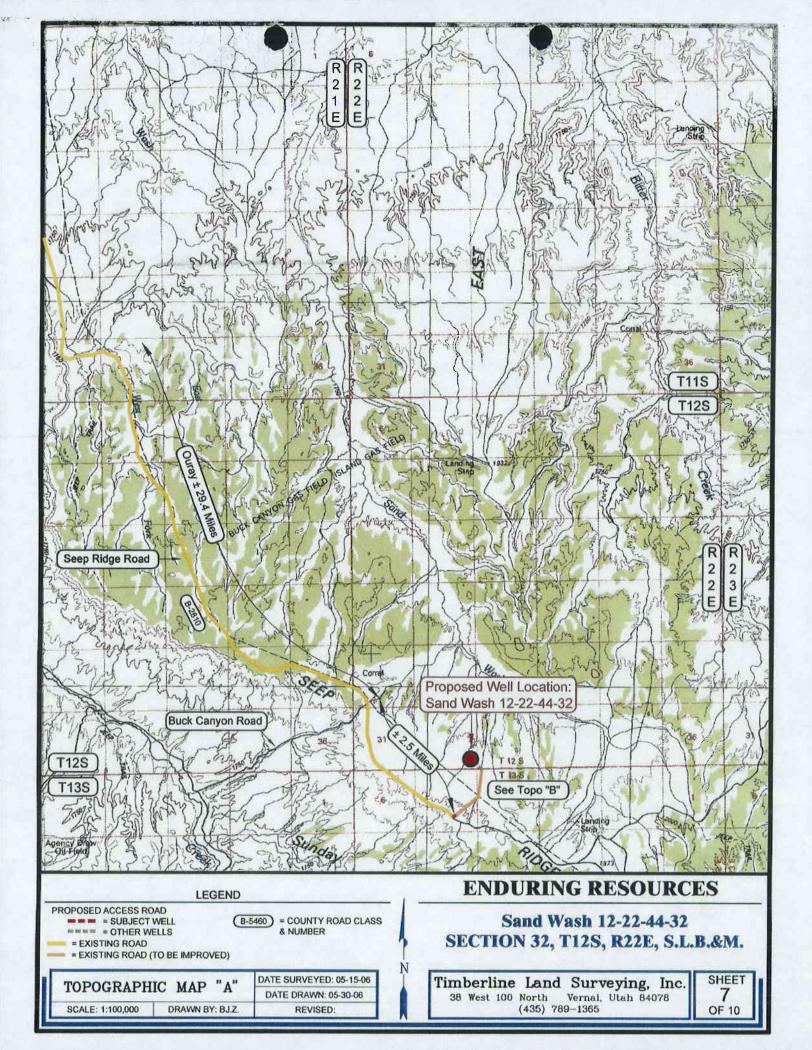


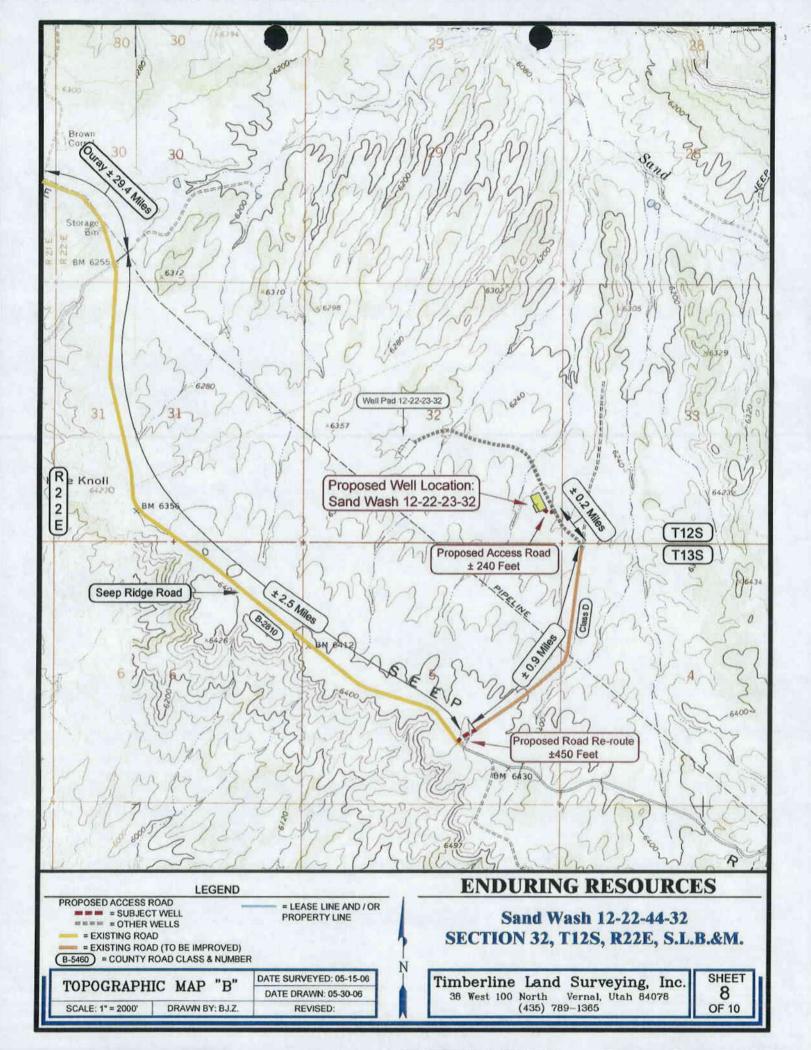
# ENDURING RESOURCES

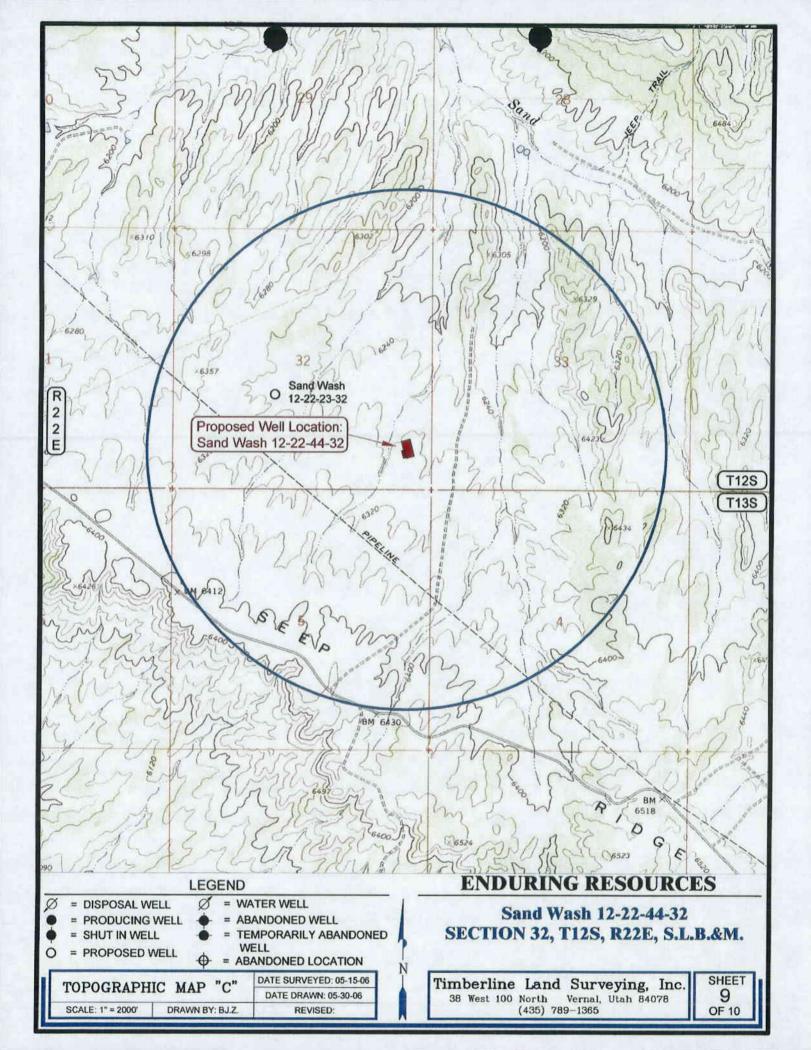
TYPICAL PRODUCTION LAYOUT - SAND WASH 12-22-44-32

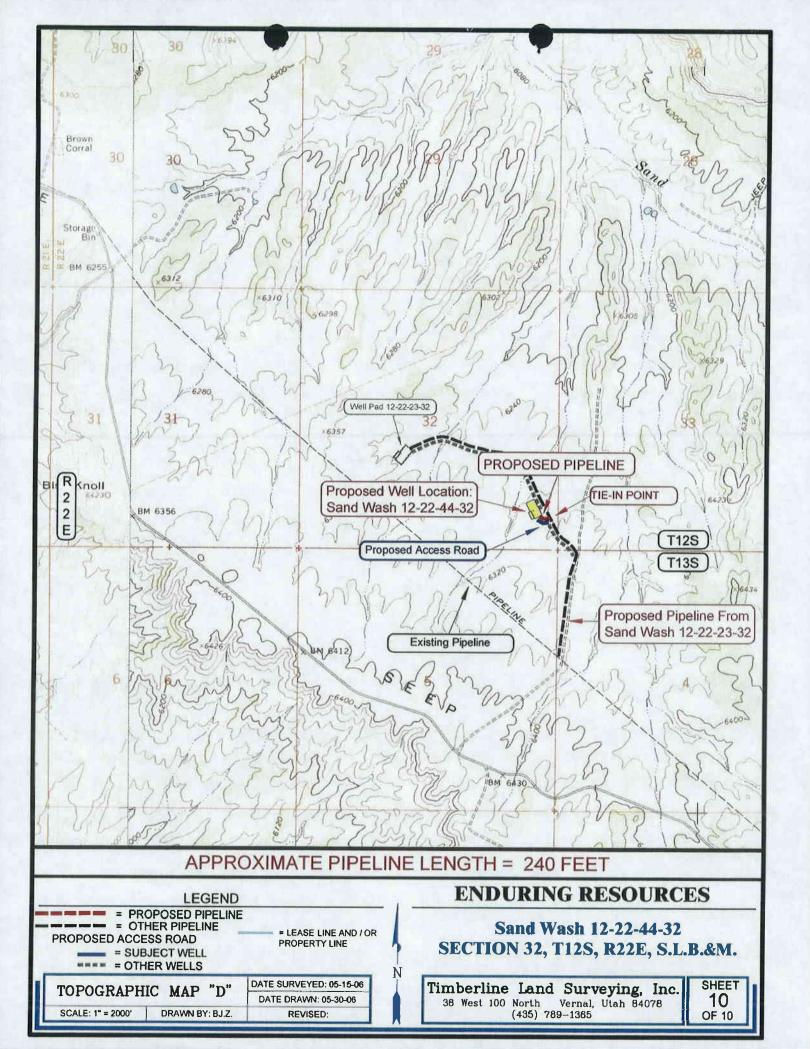


Section 32, T12S,	R22E, S.L.B.&M.	Qtr/Qtr Location:	SE SE	Footage Location: 801' FSL & 51	2' FEL
Date Surveyed: 05—15—06	Date Drawn: 05-23-06	Date Last Revision:	1 177	nberline. (435) 789-1365	SHEET
Surveyed By: K.R.K.	Drawn By: M.W.W.	Scale: 1" = 50'	Lan	nd $Surveying$ , $Inc$ . 38 West 100 North Vernal, Utah 84078	OF 10









APD RECEIVED	0: 06/12/2006		API NO. ASSIG	NED: 43-04	7-38286
WELL NAME:	SAND WASH 12-22-44-32				
-	202 250 5114				L <b>4</b>
CONTACT:					
CONTACT:					
PROPOSED LOC	ATION:		INSPECT LOCATN	BY: /	/
SESE 32	2 120S 220E 0801 FSL 0512 FEL		Tech Review	Initials	Date
	0801 FSL 0512 FEL		Engineering	Den	7/2d0g
COUNTY:			Geology	, y = v J	
	39.72512	157	Surface		
	: WILDCAT ( 1			<u> </u>	
LEASE NUMBER	3 - State : ML-47089 R: 3 - State		PROPOSED FORMAT		D.
RECEIVED AND	OR REVIEWED:	LOCATIO	ON AND SITING:		
✓ Plat		R649-2-3.			
	Fed[] Ind[] Sta[] Fee[]	Unit:			
<del></del>	RLB0008031 )				
, –	(Y/N)				
✓ Oil Sha	ale 190-5 (B) or 190-3 or 190-13	Siting: 460 From Qtr/Qtr & 920' Between Wells			
Water 1	Permit	R649-3-3. Exception Drilling Unit Board Cause No: Eff Date:			
(No. 4	9-2215 )				
	eview (Y/N)				
	: 07/05/2006 )				
LA Fee Sur	rf Agreement (Y/N)	S	Siting:		
NH Intent to Commingle (Y/N)R649-3-11. Directional Drill			11		
COMMENTS: Neds Preside (06-30-2006)					
STIPULATIONS	: 1- Grann Stip				
	2- STATEMENT OF	PAR	ol S		<del></del>
	3-5 where Csy Cont	-			
	- Justace Cog Cont	3(2p)	<del></del>		

	T12S R22E			
		32 WASH 33-32 <b>④</b>		
			SAND WASH 12-22-44-32 <b>⊙</b>	
	T13S R22E			
OPERATOR: ENDURING RES SEC: 32 T. 12S R. 22E FIELD: WILDCAT (001) COUNTY: UINTAH SPACING: R649-3-2 / GENERA		Wells Status	W * Utah Oil Ga	as and Mining
Field Status  ABANDONED  ACTIVE  COMBINED  INACTIVE  PROPOSED  STORAGE  TERMINATED	Unit Status  EXPLORATORY GAS STORAGE NF PP OIL NF SECONDARY PENDING PI OIL PP GAS PP GEOTHERML PP OIL SECONDARY TERMINATED	GAS STORAGE LOCATION ABANDONED NEW LOCATION PLUGGED & ABANDONED PRODUCING GAS PRODUCING OIL SHUT-IN GAS SHUT-IN OIL TEMP. ABANDONED TEST WELL WATER INJECTION WATER SUPPLY WATER DISPOSAL DRILLING	W	E S DIANA WHITNEY

# DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

OPERATOR:	ENDURING RESOURCES, LLC.				
WELL NAME & NUMBER:	Sand Wash 12-22-44-32				
API NUMBER:	PI NUMBER: 43-047-38286				
<b>LOCATION</b> : 1/4,1/4 <u>SE/SE</u> sec: <u>3</u>	<u>2</u> TWP: <u>12S</u> RNG: <u>22E</u> <u>512' FEL 801</u> FSL				
Geology/Ground Water:					
saline water is estimated at 3,300 fe within a 10,000 foot radius of the ce Uinta/Green River Formation transi with shales and are not expected to interbedded limestones, shales and se Formation and should be protected.	t of surface casing cemented to the surface. The base of the moderately set. A search of Division of Water Rights records shows no water wells enter of section 32. The surface formation at this location is the tion. The Uinta Formation is made up of discontinuous sands interbedded produce prolific aquifers. The Green River Formation is made up of sandstones. Fresh water aquifers can be found in the Green River The proposed surface casing should adequately protect any potentially a cement should be brought up above the base of the moderately saline the waters up hole.				
Reviewer: Brad	Hill Date: 07-11-06				
Surface:					
minerals, and appears to be the best s	ace was performed on June 30, 2006. This site is on State surface, with State ite for a location in the immediate area. No significant stability problems are lling and operation of the well as proposed.				
	Bonner and Jim Davis with SITLA were invited to this investigation on r. Williams said he had a meeting that day and would not be able to attend				
Reviewer: Floyd Ba	rtlett Date: July 10, 2006				

### **Conditions of Approval/Application for Permit to Drill:**

1. A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

OPERATOR: ENDURING RESOURCES, LLC.

WELL NAME & NUMBER: Sand Wash 12-22-44-32

**API NUMBER:** 43-047-38286

**LEASE:** UTU-47089 **FIELD/UNIT:** Undesignated

LOCATION: 1/4,1/4 SE/SE sec: 32 TWP: 12S RNG: 22E 512' FEL 801 FSL

LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4,1/4 LINE; 920 F ANOTHER WELL.

GPS COORD (UTM): 631085 X 4398164 Y SURFACE OWNER: STATE OF UTAH

#### **PARTICIPANTS**

Floyd Bartlett (DOGM), Doug Hammond, (Enduring Resources), Jim Davis (SITLA), Mike Stewart (Ponderosa Construction- Dirt Contractor). Kolby Kay (Timberline Land Surveying, Inc.)

#### REGIONAL/LOCAL SETTING & TOPOGRAPHY

The location is approximately 32 miles southeasterly of Ouray, Utah. Access is by State of Utah highways and Uintah County Seep Ridge road. Improving 0.9 miles of existing road and constructing 240 feet of new road from the new road, which will access the proposed 12-22-23-32 well, will access the proposed site.

The general area is the head of the Sand Wash drainage east of the Seep Ridge road and approximately 2 miles south of Buck Canyon. Sand Wash is an ephemeral drainage, which runs northerly approximately 25 miles to the White River. The area is characterized by varied terrain consisting of large flats, shallow draws and small ridges. No seeps or springs are known to exist in the area.

The proposed Sand Wash 12-22-44-32 well lies on a gentle rolling flat with minor draws. Higher ridges exist approximately  $1-\frac{1}{2}$  miles to the east.

#### SURFACE USE PLAN

CURRENT SURFACE USE: Wildlife. Summer cattle grazing. Hunting.

PROPOSED SURFACE DISTURBANCE: <u>Improving 0.9 miles of existing road and constructing 240 feet of new road; a well pad 365'x 225' plus reserve pit and soil stockpile storage outside the described area.</u>

LOCATION OF EXISTING WELLS WITHIN A 1-MILE RADIUS: None presently exist but several are planned. See attached map (Topographic Map C) from GIS database.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production facilities will be on location and added after drilling well. Pipeline will follow access road approximately 240 feet to tie-in point.

SOURCE OF CONSTRUCTION MATERIAL: All construction material will be

borrowed from site during construction of location.

ANCILLARY FACILITIES: None will be required.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS? EXPLAIN: Unlikely. Oilfield activity is common in the area is the dominant use.

#### WASTE MANAGEMENT PLAN:

Drilled cuttings will be settled into reserve pit. Liquids from pit will be allowed to evaporate. Formation water will be confined to storage tanks. Commercial contractor will handle sewage facilities, storage and disposal. Trash will be contained in trash baskets and hauled to an approved landfill.

#### ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Poorly vegetated with big sagebrush and scattered pinion-juniper. Little under story vegetation; pronghorn antelope, rabbits, rodents, songbirds, raptors, elk, deer, bobcat, coyote.

SOIL TYPE AND CHARACTERISTICS: Moderately deep sandy loam with a few small shale rocks on the surface.

EROSION/SEDIMENTATION/STABILITY: No drainages are intersected by the proposed location. The reserve pit is within a cut area on the southwest corner of the location. No stability problems are anticipated with the construction and operation of the location.

PALEONTOLOGICAL POTENTIAL: Surveyed by AH, on 06-08-2006. Report will be submitted to SITLA.

#### RESERVE PIT

CHARACTERISTICS: 160' by 60' and 8' deep. The reserve pit is within a cut area on the southwest corner of the location. No stability problems are anticipated with the construction and operation of the location.

LINER REQUIREMENTS (Site Ranking Form attached): A liner will be required for reserve pit. Sensitivity score of 25, rating as Level I, Highly Sensitive. Operator said they would install a 16 mil. Liner with a ½" felt sub-liner.

#### SURFACE RESTORATION/RECLAMATION PLAN

AS PER SITLA.	 	 	

SURFACE AGREEMENT: AS PER SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: Site has been inspected and a report will be submitted to SITLA.

# OTHER OBSERVATIONS/COMENTS

A buried pipeline operated by Canyon Gas will be crossed with the access road, which will be improved.

Jim Davis and Ed Bonner of SITLA and Ben Williams of UDWR were invited to the pre-site on June 22, 2006. Mr. Davis attended. Mr. Williams said he had a planning meeting that day and would not be able to attend the review.

#### **ATTACHMENTS**

Photos of site have been taken and placed on file.

Floyd Bartlett
DOGM REPRESENTATIVE

06/30/2006 10:30 AM DATE/TIME

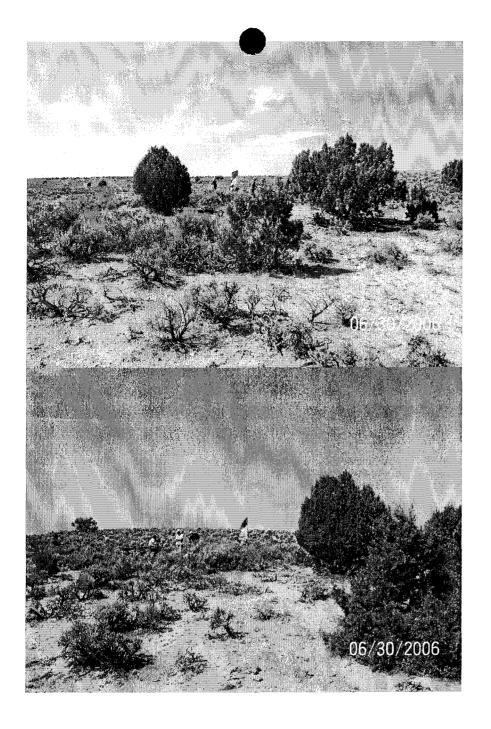
Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)		
>200 100 to 200	0 5	
75 to 100	10	
25 to 75 <25 or recharge area	15 20	
Distance to Surf. Water (feet)		
>1000 300 to 1000	0 2	
200 to 300	10	
100 to 200 < 100	15 20	0
Distance to Nearest Municipal		
Well (feet) >5280	0	
1320 to 5280	5	
500 to 1320 <500	10 20	0
Distance to Other Wells (feet)		
>1320	0	
300 to 1320 <300	10 20	0
Native Soil Type		
Low permeability	0	
Mod. permeability High permeability	10 20	20
Fluid Type		
Air/mist Fresh Water	0 5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid containing significant levels of	15	
hazardous constituents	20	5
Drill Cuttings		
Normal Rock Salt or detrimental	0 10	0
Annual Precipitation (inches)		
<10	0	
10 to 20 >20	5 10	
Affected Populations		
<10 10 to 30	0 6	
30 to 50	8	_
>50	10	0
Presence of Nearby Utility Conduits		
Not Present Unknown	0 10	
Present	15	0

25 (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required. Sensitivity Level II = 15-19; lining is discretionary. Sensitivity Level III = below 15; no specific lining is required.

Final Score





#### STATE ACTIONS

### Resource Development Coordinating Committee Governor's Office of Planning and Budget

# 5110 State Office Building

SLC, UT 84114 Phone No. 537-9230

1. State Agency			
Oil, Gas and Mining			
1594 West North Temple, Suite 1210			
Salt Lake City, UT 84114-5801			

2. Approximate date project will start:

Upon Approval or July 6, 2006

3. Title of proposed action:

Application for Permit to Drill

4. Description of Project:

Enduring Resources, LLC proposes to drill the Sand Wash 12-22-44-32 well (wildcat) on a State lease ML-47089, Uintah County, Utah. This action is being presented to the RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.

5. Location and detailed map of land affected (site location map required, electronic GIS map preferred)

(include UTM coordinates where possible) (indicate county)

801' FSL 512' FEL, SE/4 SE/4,

Section 32, Township 12 South, Range 22 East, Uintah County, Utah

6. Possible significant impacts likely to occur:

Surface impacts include up to five acres of surface disturbance during the drilling and completion phase (estimated for five weeks duration). If oil and gas in commercial quantities is discovered, the location will be reclaimed back to a net disturbance of between one and two acres – not including road, pipeline, or utility infrastructure. If no oil or gas is discovered, the location will be completely reclaimed.

- 7. Identify local government affected
  - a. Has the government been contacted? No.
  - b. When?
  - c. What was the response?
  - d. If no response, how is the local government(s) likely to be impacted?
- 8. For acquisitions of land or interests in land by DWR or State Parks please identify state representative and state senator for the project area. Name and phone number of state representative, state senator near project site, if applicable:
  - a. Has the representative and senator been contacted? N/A
- **9. Areawide clearinghouse(s) receiving state action:** (to be sent out by agency in block 1) Uintah Basin Association of Governments

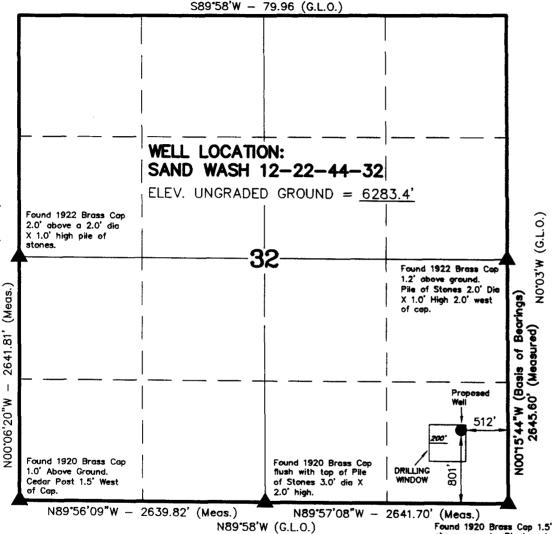
11. Signature and title of authorized officer
shie the
Gil Hunt, Associate Director <b>Date:</b> June 22, 2006

STATE OF UTAH

F	r) F	₹.	13

					IL, GAS AND MINING			DED REPORT ght changes)
		APPLICAT	TION FOR	R PERMIT TO	O DRILL		5. MINERAL LEASE NO: ML-47089	6. SURFACE: State
1A. TYPE OF W	ORK:	DRILL 🔽	REENTER [	DEEPEN			7. IF INDIAN, ALLOTTEE O	R TRIBE NAME:
B. TYPE OF W	ELL: OIL	GAS 🗹	OTHER	SIN	IGLE ZONE MULTIPLE ZON	ve 🗾	8. UNIT or CA AGREEMEN	NAME:
2. NAME OF OP	ERATOR:		<del></del>				9. WELL NAME and NUMBE	R:
Enduring F	Resources	, LLC				- 1	Sand Wash 12-2	
3. ADDRESS OF 475 17th S	t., Ste 150		or st	FATE CO ZIF 80	220 PHONE NUMBER: (303) 350-5114		10. FIELD AND POOL, OR	NILDGAT: Willeaf
4. LOCATION O	F WELL (FOOTA	GES)	231091	× 39	7.725115		11. QTR/QTR, SECTION, TO MERIDIAN:	OWNSHIP, RANGE,
		512' FEL `	439819	57Y -1	09.47043b			S 22E
	D PRODUCING Z				-11   70196			·
	n miles and dii ith of Verna	RECTION FROM NEAF	REST TOWN OR P	POST OFFICE:			12. COUNTY: Uintah	13. STATE: UTAH
		OPERTY OR LEASE L	INE (FEET)	16. NUMBER O	F ACRES IN LEASE:	17, NUI	MBER OF ACRES ASSIGNE	D TO THIS WELL:
512'					640			40 acres
18. DISTANCE T APPLIED FO	O NEAREST WE	LL (DRILLING, COMPL SE (FEET)	ETED, OR	19. PROPOSED	DEPTH:	20. BOI	ND DESCRIPTION:	
1000' +	·				6,800		30008031	
21. ELEVATIONS <b>6296'</b>	S (SHOW WHET)  RT-KB	HER DF, RT, GR, ETC.	):	8/1/2006	ATE DATE WORK WILL START:	1 .	MATED DURATION:	
24.					ND CEMENTING PROGRAM			
SIZE OF HOLE	CASING SIZE	E, GRADE, AND WEIG	HT PER FOOT	SETTING DEPTH			ELD, AND SLURRY WEIGH	<u>T</u>
		line pipe				Ready		
11"	8-5/8"	J-55	24#	2,000	Premium Lead		sxs 3.5	
7.7(0)	4.4(0))	N 00	44.0#		Premium Tail		sxs 1.1	
7-7/8"	4-1/2"	N-80	11.6#	6,800	Class G		sxs 3.	
					50/50 Poz Class G	810	sxs 1.5	6 14.3
							<del></del>	
25.				ATTA	CHMENTS			
VERIFY THE FOL	LOWING ARE A	TTACHED IN ACCORD	ANCE WITH THE	UTAH OIL AND GAS CO	DNSERVATION GENERAL RULES:			
WELL PL	AT OR MAP PRE	PARED BY LICENSED	SURVEYOR OR I	ENGINEER	COMPLETE DRILLING PLAN			
7 FVIDENC	F OF DIVISION	OF WATER RIGHTS A	PPROVAL FOR US	SE OF WATER	FORM 5, IF OPERATOR IS PEI	RSON OR	COMPANY OTHER THAN T	HE I EASE OWNED
							OOM AN OTHER MAN	THE ECASE OWNER
NAME (PLEASE F	PRINT) Alvin	R. (Al) Arlian			TITLE Landman - Re	gulator	y Specialist	
SIGNATURE		Me			DATE 6/8/2006			
This space for Stat	te use only)	<del>'''                              </del>					RECEIN	/FD
API NUMBER ASS	SIGNED:	13.047-38	286		APPROVAL:		JUN 1 2 2	2006

## T12S, R22E, S.L.B.&M.



A = SECTION CORNERS LOCATED

BASIS OF ELEVATION IS BENCH MARK 70 EAM 1965

LOCATED IN THE SW 1/4 OF SECTION 31, T12S,

R22E, S.L.B.&M. THE ELEVATION OF THIS BENCH

MARK IS SHOWN ON THE BATES KNOLLS 7.5 MIN.

QUADRANGLE AS BEING 6356'.

(6.1.0)

N0.03/W

above ground. Steel post 0.5' south and ceder post 2.0' east of cap

SAND WASH 12-22-44-32 (Proposed Well Head) NAD 83 Autonomous

LATITUDE = 39' 43' 30.46" LONGITUDE = 109' 28' 16.34"

#### **ENDURING RESOURCES**

WELL LOCATION, SAND WASH 12-22-44-32, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 32, ~ T12S, R22E, S.L.B.&M. UINTAH COUNTY, UTAH.



#### NOTES:

- 1. Well footages are measured at right angles to the Section Lines.
- 2. Bearings are based on Global Positioning Satellite observations.

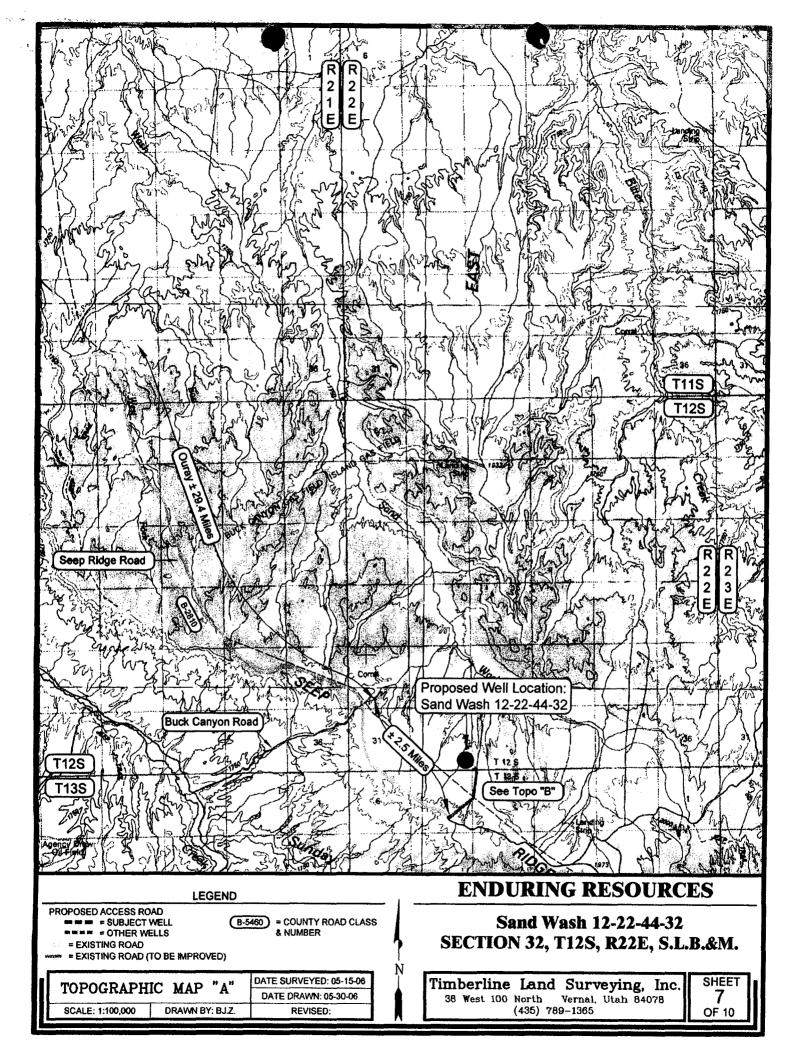
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ANOTHER SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THIS BEST OF MY KNOWLEDGE AND BELLEFO No.362251

REGISTRED AND SUBJECT OF REGISTRATION NO. 362251

### TIMBERLINE LAND SURVEYING, INC.

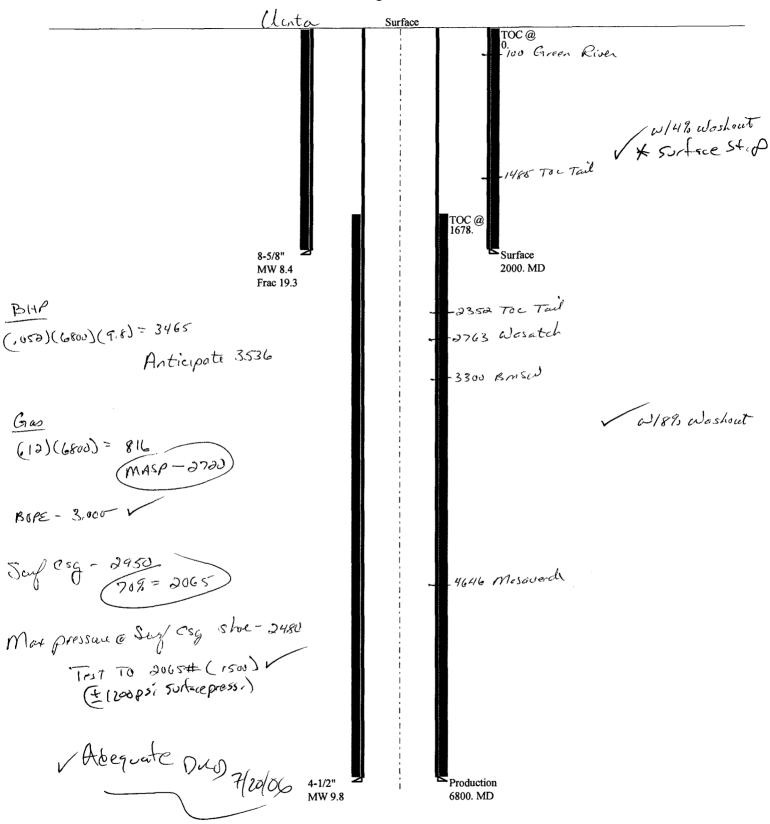
38 WEST 100 NORTH. - VERNAL, UTAH 84078 (435) 789-1365

DATE SURVEYED: 05-15-06	SURVEYED BY: K.R.K.	SHEET
DATE DRAWN: 05-19-06	DRAWN BY: M.W.W.	2
SCALE: 1" = 1000'	Date Last Revised:	OF 10



# 7-06 Enduring Sand Wash 1 22-44-32

**Casing Schematic** 



Well name:

07-06 Enduring Sand Wash 12-22-44-32

Operator:

**Enduring Resource, LLC** 

String type: Surface 43-047-38286

Location:

**Uintah County** 

**Environment:** Minimum design factors:

Collapse

Mud weight:

Design parameters:

Design factor 8.400 ppg

Design is based on evacuated pipe.

Collapse:

H2S considered?

No 75 °F Surface temperature: 103 °F Bottom hole temperature:

Temperature gradient: 1.40 °F/100ft

Minimum section length: 500 ft

Burst:

Design factor

1.00

1.80 (J)

1.125

Cement top:

Surface

6,800 ft

**Burst** 

Max anticipated surface

pressure:

1,760 psi 0.120 psi/ft

Internal gradient: Calculated BHP 2,000 psi

No backup mud specified.

Tension:

8 Round STC:

1.80 (J) 8 Round LTC: **Buttress:** 1.60 (J) Premium: 1.50 (J)

1.50 (B) Body yield:

Tension is based on buoyed weight. 1,748 ft Neutral point:

Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight:

9.800 ppg Next setting BHP: 3,462 psi Fracture mud wt: 19.250 ppg Fracture depth: 2,000 ft

Injection pressure 2,000 psi Measured Drift Internal

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (Ibs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2000	8.625	24.00	J-55	ST&C	2000	2000	7.972	96.3
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	873	1370	1.570	2000	2950	1.48	42	244	5.82 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: 801-538-5280 FAX: 801-359-3940

Date: July 12,2006 Salt Lake City, Utah

Collapse is based on a vertical depth of 2000 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Duniop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

07-06 Enduring Sand Wash 12-22-44-32

Operator:

**Enduring Resource, LLC** 

String type:

Production

Location:

**Uintah County** 

Project ID:

43-047-38286

**Design parameters:** 

Collapse

Mud weight:

9.800 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125 **Environment:** 

H2S considered?

75 °F Surface temperature: 170 °F

Bottom hole temperature: Temperature gradient:

Non-directional string.

1.40 °F/100ft

Minimum section length: 1,500 ft

**Burst:** 

Design factor

1.00

Cement top:

1.678 ft

No

Burst

Max anticipated surface

No backup mud specified.

pressure: Internal gradient: Calculated BHP

1,106 psi

0.346 psi/ft

3,462 psi

Tension:

8 Round STC:

8 Round LTC: **Buttress:** 

Premium:

Body yield:

1.80 (J) 1.80 (J)

1.60 (J) 1.50 (J) 1.50 (B)

Tension is based on buoyed weight.

Neutral point:

5,804 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	6 <u>8</u> 00	`4.5	11.60	N-80	LT&C	6800	6800	3.875	157.6
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3462	6350	1.834	3462	7780	2.25	67	223	3.31 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: 801-538-5280

FAX: 801-359-3940

Date: July 12,2006 Salt Lake City, Utah

Collapse is based on a vertical depth of 6800 ft, a mud weight of 9.8 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

### **Enduring Resources, LLC**

#### Sand Wash 12-22-44-32

SE-SE 32-12S-22E Uintah County, Utah State Lease: ML-47089

#### **ONSHORE ORDER 1 - DRILLING PLAN**

### 1. <u>Estimated Tops of Geological Markers:</u>

Formation	Depth (K.B.)
Uinta	Surface
Green River	100
Wasatch	2763
Mesaverde	4646

## 2. <u>Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals:</u>

Substance	Formation	Depth (K.B.)
	KB-Uinta Elevation: 6296'	
Oil / Gas	Green River	100
Oil /Gas	Wasatch	2763
Oil /Gas	Mesaverde	4646
<u> </u>	Estimated TD	6800

A 11" hole will be drilled to approximately 2000 feet. The depth will be determined by the depth that the Birds Nest zone is encountered. The hole will be drilled 400 feet beyond the top of the Birds Nest zone and surface casing will be set.

## 3. Pressure Control Equipment: (3000 psi schematic attached)

A. Type: Eleven (11) inch double gate hydraulic BOP with eleven (11) inch annular preventer on 3,000 psi casinghead, with 3,000 psi choke manifold equipped per the attached diagram. BOPE as specified in *Onshore Oil & Gas Order Number 2*. A PVT, stroke counter and flow sensor will be installed to check for flow and monitor pit volume.

B. Pressure Rating: 3,000 psi BOPE

**RECEIVED** 

C. Kelly will be equipped with upper and lower Kelly valves.

JUN 2 3 2006

D. Testing Procedure: Annular Preventer

DIV. OF OIL, GAS & MINING

At a minimum, the annular preventer will be pressure tested to 50% of the stack rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.



At a minimum, the above pressure test will be performed:

- When the annular preventer is initially installed; 1.
- Whenever any seal subject to test pressure is broken; 2.
- Following related repairs; and 3.
- At thirty (30) day intervals. 4

In addition to the above, the annular preventer will be functionally operated at least weekly.

#### Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

- When the BOP is initially installed; 1.
- Whenever any seal subject to test pressure is broken; 2.
- Following related repairs; and 3.
- At thirty (30) day intervals. 4.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

#### Miscellaneous Information: E.

The blowout preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of Onshore Oil & Gas Order Number 2.

#### **Proposed Casing & Cementing Program:** 4.

#### Casing Program: All New A.

Hole Size	Casing Size	Wt./Ft.	Grade	Joint	Depth Set (MD)
20"	14" O.D.				40' (GL)
11"	8-5/8"	24#	J-55	ST&C	0 – 2,016' (KB) est.
7-7/8"	4-1/2"	11.6#	N-80	LT&C	0 – 6800' (KB)

The surface casing will have guide shoe, 1 joint, insert float collar. Centralize the shoe joint with bowspring centralizers in the middle and top of the joint and the next16 joints with bowspring centralizers on every other collar (8 centralizers total). Thread lock auide shoe.



Casing string(s) will be pressure tested to 0.22 psi/foot of casing string length or 1500 psi, whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe.

#### B. Casing Design Parameters:

Depth (MD)	Casing	Collapse(psi)/SF	Burst (psi)/SF	Tension(mlbs)/SF
40' (GL) 2016' (KB) 6800' (KB)	14" OD 8-5/8", 24#/ft, J55, STC 4-1/2", 11.6#/ft, N-80, LTC	1370/1.52(a) 6350/1.80 (d)	2950/3.28(b) 7780/2.39 (e)	244/5.81(c) 223/3.29(f)

- (a.) based on full evacuation of pipe with 8.6 ppg fluid on annulus
- (b.) based on 8.6 ppg gradient with no fluid on annulus
- (c.) based on casing string weight in 8.6 ppg mud
- (d.) based on full evacuation of pipe with 10.0 ppg fluid on annulus
- (e.) based on 9.2 ppg gradient, gas to surface, with no fluid on annulus, no gas gradient
- (f.) based on casing string weight in 9.2 ppg mud

#### PROPOSED CEMENTING PROGRAM

## Surface Casing (if well will circulate)-Cemented to surface

CASING	SLURRY	FT. of	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft <sup>3</sup> /sx)
8-5/8"	Lead	1516	Premium cement + 16% gel + 0.25 pps celloflake	138	25%	11.1	3.50
8-5/8"	Tail	500	Premium cement + 2% CaC <sub>2</sub> + 0.25 pps celloflake	138	25%	15.8	1.15

A cement top job is required if cement fallback is greater than 10' below ground level. Top job (weight 15.8 ppg, yield 1.15 ft<sup>3</sup>/sx) cement will be premium cement w/ 3% CaCl<sub>2</sub>.+0.25 pps celloflake. Volume as required

## Surface Casing (if well will not circulate) - Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft³/sx)
8-5/8"	Lead	500	Premium cement + 2% CaCl <sub>2</sub> + 0.25 pps celloflake	138	25	15.8	1.15
8-5/8"	Top job	As req.	Premium cement + 3% CaCl <sub>2</sub> + 0.25 pps celloflake	As Req.		15.8	1.15



## Production Casing and Liner - Cemented TD to 300' above base of surface casing

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft³/sx)
4-1/2"	Lead	647	Class "G" + 5% NaCl + 12% Gel + 0.25 pps celloflake + 0.2% antifoam + 0.25% fluid loss + 1% extender	58	25	11.0	3.3
4-1/2"	Tail	4437	50/50 POZ Class G + 2% gel +1% CaCl <sub>2</sub> + 0.2% dispersant + 0.2% fluid loss + 0.1% antifoam	810	25	14.3	1.56

Cement volumes for the 4-1/2" Production Casing will be calculated to provide a top of cement to 300' above base of surface casing. Cement volumes are approximate and were calculated under the assumption that a gauge hole will be achieved. Actual cement volumes may vary due to variations in the actual hole size and will be determined by running a caliper log on the drilled hole. Actual cement types may vary due to hole conditions and cement contractor used.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

### 5. <u>Drilling Fluids (mud) Program:</u>

Interval	Mud Weight	Fluid Loss	Viscosity	Mud Type
(MD) 0' – 2016' (KB)		No cntrl		Air/mist
2000'-3000' (KB)	8,4-8.6	No cntrl	28-36	Water
3000'-6800' (KB)	8.8-9.8	8 - 10 ml	32-42	Water/Gel

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations.

#### 6. Evaluation Program:

<u>Tests</u>: No tests are currently planned.

Coring: No cores are currently planned.

Samples: No sampling is currently planned.



#### Logging

- Dual Induction SFL /Gamma Ray/Caliper/SP/TDLT/CNL/ML TD to Base Surface Casing
- Cement Bond Log / Gamma Ray: TD to Base of Surface Casing or Top of Cement if below Base of Surface Casing

Stimulation: A stimulation or frac treatment will be designed for completion of this well based on openhole log analysis. The drill site, as approved, will be sufficient size to accommodate all completion activities.

#### 7. Abnormal Conditions:

No abnormal temperatures or pressures are anticipated. No  $H_2S$  has been encountered or known to exist from previous wells drilled to similar depths in the general area.

Maximum anticipated bottom hole pressure equals approximately 3,536 psi (calculated at 0.52psi/foot of hole) and maximum anticipated surface pressure equals approximately 2,040 psi (anticipated bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot of hole).

### 8. Anticipated Starting Dates:

• Anticipated Commencement Date- Within one year of APD issue.

Drilling Days Completion Days Approximately 10 days
 Approximately 10 days

• Anticipate location construction within 30 days of permit issue.

#### 9. <u>Variances:</u>

None anticipated

#### 10. Other:

A Cultural Resource Inventory and Paleontology reconnaissance shall be conducted for the well location, access route and pipeline. The reports shall be submitted to the Division of Oil, Gas and Mining and the School and Institutional Trust lands Administration upon their receipt.

Single Shot directional surveys will be dropped every 2000 feet to monitor hole angle.

From:

Ed Bonner

To:

Whitney, Diana

Date:

9/12/2006 2:43:10 PM

Subject:

Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

#### Cochrane Resources, Inc.

Divide 32-32 (API 43 019 31487)

#### Enduring Resources, LLC

Southam Canyon 10-25-11-32 (API 43 047 38395)

Southam Canyon 10-25-14-32 (API 43 047 38396)

Southam Canyon 10-25-34-32 (API 43 047 38401)

Rock House 10-23-34-32 (API 43 047 38470)

East Bench 11-22-31-32 (API 43 047 38273)

Sand Wash 12-22-23-32 (API 43 047 38285)

Sand Wash 12-22-44-32 (API 43 047 38286)

Buck Camp 12-22-23-2 (API 43 047 38483)

Buck Camp 12-22-14-2 (API 43 047 38482)

#### The Houston Exploration Company

North Horseshoe 5-16-6-22 (API 43 047 38406)

#### **Newfield Production Company**

Horseshoe Bend State 4-28-6-21 (API 43 047 38366)

#### XTO Energy, Inc

State of Utah 17-8-19-11D (API 43 015 30695)

State of Utah 17-8-20-13 (API 43 015 30698)

If you have any questions regarding this matter please give me a call.

CC:

Davis, Jim; Garrison, LaVonne; Hill, Brad; Hunt, Gil



State of Utah

Department of Natural Resources

> MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

September 12, 2006

Enduring Resources, LLC 475 17th St., Ste. 1500 Denver, CO 80202

Re:

Sand Wash 12-22-44-32 Well, 801' FSL, 512' FEL, SE SE, Sec. 32,

T. 12 South, R. 22 East, Uintah' County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38286.

Sincerely,

Gil Hunt

**Associate Director** 

pab Enclosures

cc:

Uintah' County Assessor

**SITLA** 

Operator:	Enduring Resources, LLC				
Well Name & Number	Sand W	ash 12-22-44-32			
API Number:	43-047-38286				
Lease:	ML-470				
Location: SE SE	Sec. 32	<b>T.</b> 12 South	<b>R.</b> 22 East		

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Page 2 43-047-38286 September 12, 2006

- 6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
- 7. Operator shall comply with applicable recommendations resulting from Resource Development Coordinating Committee review. Statements attached.
- 8. Surface casing shall be cemented to the surface.

#### **STATE OF UTAH**

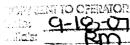
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

r	M		N		VT			FORI
V	VII	11	עו	Ы		H/S	F	ESIGNATION AND SERIAL NUMBER:

FORM 9

	ML-47089
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:  n/a
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: Sand Wash 12-22-44-32
2. NAME OF OPERATOR: Enduring Resources, LLC	9. API NUMBER: 4304738286
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 350-5719	10. FIELD AND POOL, OR WILDCAT: Undesignated
4. LOCATION OF WELL FOOTAGES AT SURFACE: 801' FSL - 512' FEL	COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 32 12S 22E S	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
ACIDIZE DEEPEN	REPERFORATE CURRENT FORMATION
NOTICE OF INTENT (Submit in Duplicate)  ALTER CASING  FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
	WATER DISPOSAL
(Submit Original Form Only)	water shut-off
Date of work completion:	
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	✓ other: Request for APD  Extension
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	
Enduring Resources, LLC respectfully request an extension to the expiration date of this  FROM: 9/12/2007 TO: 9/12/2008  Approved by the Utah Division of Oil, Gas and Mining  Date:  By:	
NAME (PLEASE PRINT) Alvin R. (Al) Arlian  SIGNATURE  Alvin R. (Al) Arlian  DATE  Landman - Regulation of the print of the	latory Specialist
	DECEMED

(This space for State use only)



SEP 1 4 2007

#### Application for Permit to Drill Request for Permit Extension Validation

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304738286  Well Name: Sand Wash 12-22-44-32  Location: 801' FSL - 512' FEL, SESE, Sec 32, T12S-R22E  Company Permit Issued to: Enduring Resources, LLC  Date Original Permit Issued: 9/12/2006	
The undersigned as owner with legal rights to drill on above, hereby verifies that the information as submitt approved application to drill, remains valid and does	ed in the previously
Following is a checklist of some items related to the a verified.	application, which should be
If located on private land, has the ownership changed agreement been updated? Yes□No□	d, if so, has the surface
Have any wells been drilled in the vicinity of the properties the spacing or siting requirements for this location? Y	
Has there been any unit or other agreements put in permitting or operation of this proposed well? Yes□!	elace that could affect the No ☑
Have there been any changes to the access route income of-way, which could affect the proposed location? Ye	cluding ownership, or right- s⊟No ☑
Has the approved source of water for drilling change	d? Yes□No☑
Have there been any physical changes to the surface which will require a change in plans from what was devaluation? Yes□No☑	e location or access route iscussed at the onsite
Is bonding still in place, which covers this proposed v	vell? Yes⊠No□
	9/11/2007
Signature	Date
Title: Landman - Regulatory Specialist	
Representing: Enduring Resources, LLC	- RECEIVED
	SEP 1 4 2007

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING NEIDENTIAL	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47089
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
SONDRI NOTICES AND REPORTS ON WELLS	n/a 7. UNIT or CA AGREEMENT NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	n/a
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: Sand Wash 12-22-44-32
2. NAME OF OPERATOR: Enduring Resources, LLC	9. API NUMBER: 4304738286
3. ADDRESS OF OPERATOR: PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202 (303) 350-5114	Undesignated
FOOTAGES AT SURFACE: 801' FSL - 512' FEL	соинту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 32 12S 22E S	STATE:
WINGIN, SECTION, TOWNSHIP, TOWNSL, MERIDIAN. SEGE 52 123 22L 3	UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only)	WATER DISPOSAL
Date of work completion:  CHANGE WELL STATUS  PRODUCTION (START/RESUME)	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER: Request for APD
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	Extension
Enduring Resources, LLC respectfully request an extension to the expiration date of this FROM: 9/17/2008 TO: 9/17/2009  Approved by the Utah Division of Oil, Gas and Mining  Date: 99-23-05-6-189:	
NAME (PLEASE PRINT) Alvin R. (Al) Arlian  TITLE Landman - Regulation Date 9/5/2008	latory Specialist
(This space for State use only)  COPY SENT TO OPERATOR  A . 1.2 . 2 . NO	RECEIVED

(5/2000)

Initials:

(See Instructions on Reverse Side)

SEP 17 2008

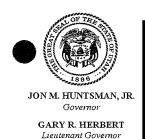


# Application for Permit to Drill Request for Permit Extension Validation

Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 4304738286  Well Name: Sand Wash 12-22-44-32  Location: 801' FSL - 512' FEL, SESE, Sec 32, T12S-R22E  Company Permit Issued to: Enduring Resources, LLC  Date Original Permit Issued: 9/12/2006					
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.					
Following is a checklist of some items related to the application, which should be verified.					
If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes□No□					
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes□No☑					
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□No☑					
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes□No ☑					
Has the approved source of water for drilling changed? Yes□No☑					
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes□No☑					
Is bonding still in place, which covers this proposed well? Yes☑No□					
Signature 9/5/2008  Date					
Title: Administrative Assistant					
Representing: Enduring Resources, LLC RECEIVED SEP 17 2008					

DIV. OF OIL, GAS & MINING



# State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

October 19, 2009

Enduring Resources, LLC 475 17<sup>TH</sup> Street Ste 1500 Denver, CO 80202

Re:

APD Rescinded - Sand Wash 12-22-44-32, Sec. 32, T.12S, R. 22E

Uintah County, Utah API No. 43-047-38286

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on September 12, 2006. On September 17, 2007 and September 23, 2008 the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective October 19, 2009.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason

**Environmental Scientist** 

cc:

Well File

SITLA, Ed Bonner

